

# California Arbovirus Surveillance Bulletin # 14

Week 29 Friday, July 18, 2003

## Weekly Summary:

### California Weekly Summary Comments:

One pool of Culex tarsalis tested positive for St. Louis Encephalitis (SLE) from Mecca, in Riverside County.

### Human and Equid Testing Summary:

Human Encephalitis/ Meningitis Cases	Number Tested	WEE Positive Imported / Local		SLE Positive Imported / Local		WNV Positive Imported / Local		Other Positive Imported / Local	
Week	14	0	0	0	0	0	0	0	0
YTD	260	0	0	0	0	0	0	0	0
Suspect Equine Viral Encephalitis Cases									
Week	4	0	0	---	---	0	0	0	0
YTD	80	0	0	---	---	0	0	0	0

### Sentinal Chicken and Mosquito Pool Testing Summary:

Chickens:	Number Tested	WEE Positive	SLE Positive	WNV Positive	Other Positive
Week	1026	0	0	0	---
YTD	12875	0	0	0	---
Mosquito pools:					
Week	448	0	1	0	0
YTD	3255	0	1	0	4

### Dead Bird Reporting / Testing Summary:

Dead Birds:	Number Reported	Number Tested	WNV Positive
Week	208	27	0
YTD	3501	521	0

### Virus Isolations From Mosquito Pools This Week:

Virus	Mosquito Species	Date Collected	Acode	Pool Number	City	County	Received Date
SLE	Culex tarsalis	03-Jul-03	COAV	888	Mecca	Riverside	10-Jul-03

### Comments:

Currently West Nile virus is reported in 32 states across the United States. Three states, Alabama, South Carolina, and Texas have confirmed human cases. For additional information, please visit the CDC website at <http://www.cdc.gov/od/oc/media> and the Alabama website at <http://www.adph.org/westnilevirus/>. For other vector-borne disease information, please visit <http://vector.ucdavis.edu/surveillance/default.html>.

### Chicken Sera Received and Tested This Week at VRDL:

County	State	ACODE	Total Flocks	Date Bled	Date Received	Total Chickens
COLUSA	CA	CLSA	1	08-Jul-03	10-Jul-03	10
CONTRA COSTA	CA	CNTR	4	14-Jul-03	16-Jul-03	40
FRESNO	CA	FRNO	1	14-Jul-03	16-Jul-03	9
IMPERIAL	CA	IMPR	3	07-Jul-03	14-Jul-03	27
INYO	CA	INYO	3	07-Jul-03	11-Jul-03	31
KERN	CA	KERN	9	07-Jul-03	14-Jul-03	90
LOS ANGELES	CA	ANTV	5	09-Jul-03	11-Jul-03	35
LOS ANGELES	CA	GRLA	5	09-Jul-03	11-Jul-03	48
LOS ANGELES	CA	LONG	4	07-Jul-03	11-Jul-03	35
MONTEREY	CA	NSAL	1	15-Jul-03	16-Jul-03	10
NAPA	CA	NAPA	2	15-Jul-03	16-Jul-03	10
ORANGE	CA	ORCO	1	07-Jul-03	16-Jul-03	10
PLACER	CA	PLCR	5	14-Jul-03	16-Jul-03	55

### Chicken Sera Tested This Week at Local Agencies:

County	ACODE	Total Flocks	Date Bled	Total Chickens
Los Angeles	SGVA	10	14-Jul-03	64
Chicken samples received:				64

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County	State	ACODE	Total Flocks	Date Bled	Date Received	Total Chickens
RIVERSIDE	CA	COAV	10	07-Jul-03	14-Jul-03	98
RIVERSIDE	CA	NWST	6	07-Jul-03	10-Jul-03	60
RIVERSIDE	CA	RIVR	6	09-Jul-03	14-Jul-03	66
SAN BERNARDINO	CA	SANB	7	07-Jul-03	14-Jul-03	70
SAN BERNARDINO	CA	WVAL	5	09-Jul-03	14-Jul-03	28
SANTA BARBARA	CA	SBCO	4	08-Jul-03	14-Jul-03	39
SOLANO	CA	SOLA	2	11-Jul-03	14-Jul-03	22
STANISLAUS	CA	TRLK	4	14-Jul-03	16-Jul-03	48
TULARE	CA	DLTA	6	07-Jul-03	10-Jul-03	53
VENTURA	CA	VENT	4	08-Jul-03	11-Jul-03	40
BERNALILLO	NM	BCVB	6	12-Jun-03	10-Jul-03	10
MOAB	UT	MOAB	2	09-Jul-03	11-Jul-03	18
Chicken samples received:						962

## Dead Birds Submitted for Testing Last Week:

County	Species	Number Submitted
Butte	American Crow	1
Butte	Western Scrub-Jay	4
Calaveras	barn owl	1
Colusa	great horned owl	1
Glenn	American kestrel	1
Los Angeles	American Crow	1
Los Angeles	red tailed hawk	1
Marin	American Crow	1
Mono	Common Raven	1
Monterey	American Crow	1
Placer	American Crow	1
Riverside	Common Raven	1
Sacramento	American Crow	1
Sacramento	barn owl	1
Sacramento	Western Scrub-Jay	1
San Diego	American Crow	1
San Joaquin	Western Scrub-Jay	1
San Mateo	American Crow	1
Solano	kestrel	1
Sonoma	American Crow	1
Sonoma	Western Scrub-Jay	1
Stanislaus	Western Scrub-Jay	1
Sutter	Western Scrub-Jay	1
Yolo	American Crow	1
Total Submitted:		27

## Mosquito Pools Received This Week at DARU:

Agency	Date Received	#
CNTR	16-Jul-03	20
DLTA	16-Jul-03	2
GRLA	17-Jul-03	70
inyo	11-Jul-03	41
LACW	15-Jul-03	3
LAKE	16-Jul-03	15
LONG	11-Jul-03	31
SAYO	16-Jul-03	52
SUYA	16-Jul-03	28
Mosquito pools received:		262

## **California Arbovirus Surveillance Bulletin # 14**

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Dried blood spot specimens from sentinel chickens submitted each week to the DHS Viral and Rickettsial Disease Laboratory (VRDL) are tested for the presence of antibodies to western equine encephalomyelitis (WEE), West Nile virus (WNV) and St. Louis encephalitis (SLE) viruses by EIA and IFA. The VRDL forwards serum specimens from sentinel chicken in which antibodies are detected in new geographic areas to the Davis Arbovirus Research Unit (DARU) for additional testing for WNV, SLE, and WEE antibodies.

All mosquito pools are currently tested by in situ EIA for WEE, SLE, WNV. And all species except *Culex tarsalis* are also tested for CEV. All pools are being tested by Taqman for WNV (primers for WEE and SLE will soon be available to include these viruses in the Taqman assay). Additional viral testing [may include reverse transcriptase polymerase chain reaction (RT-PCR)] of mosquito pools for California encephalitis and other arboviruses is performed as appropriate.

All dead bird kidney tissues are tested by DARU using the Taqman assay. Organ pools from the carcasses are tested using cell culture for virus isolation.

\*Orange County VCD screens and tests birds for WNV reported in their county and provides weekly updates to DHS. Butte County MVCD, San Bernardino County VCP, and San Diego County VSCP provide weekly updates to DHS of birds reported to them that did not meet DHS testing criteria.

Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch) and the Viral and Rickettsial Disease Laboratory Branch, Division of Communicable Disease Control, California Department of Health Services, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Al Hom by phone (510) 412-6254, FAX (510) 412-6263, or e-mail [ahom@dhs.ca.gov].